

Drafts
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EAST

- L1: (12055) thermoplastic adj polyurethane
- L2: (648) stabilizer adj hindered
- L3: (6229) stabilizer same hindered
- L4: (118134) polyol
- L5: (200) 11 and 13 and 14
- L6: (467006) foam
- L8: (33020) "521".clas.
- L9: (0) 17 and 18
- L7: (+2) 15 and 16

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(24) The mixing of the reactants can be carried out at ambient temperature (on the order of 25.degree. C.) and the resulting mixture is then heated to a temperature of the order of about 40.degree. C. to about 130.degree. C., preferably to a temperature of about 90.degree. C. to 120.degree. C.

(25) Preferred **polyol** reactants are the polyether polyols and combinations thereof. Preferably the **polyol** is of the type manufactured using an organometallic catalyst which results in a **polyol** having a level of terminal unsaturation of less than 0.04 meq/g, and preferably less than 0.02 meq/g. A representative example of such a **polyol** is Poly L 255-28 (sold by Olin corporation, Stamford, Connecticut). Poly L 255-28 is a ethylene oxide capped poly (propylene oxide) **polyol** with an approximate molecular weight of 4000 and a hydroxyl number of 28. The **polyol** component can be present in amounts ranging from approximately 40% to 70%. The preferred concentration of **polyol** present in the reaction ranges between 40% and 60% and is adjusted in this range to vary the hardness of the elastomer produced.

(26) Chain extending agents which may be employed in the preparation of the urethane thermoplastic elastomer of the present invention include aromatic secondary or aliphatic primary or secondary diamines, all of which are well known in the art.

(27) Chain extenders such as ethylene glycol, diethylene glycol, propylene glycol, pentane diol, 3-methylpentane-1,5-diol, hexane diol, HQEE (hydroquinone bis(2-hydroxyethyl) ether), CHDM (1,4-cyclhexanedimethanol), or HSPA

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Num	Document ID	Issue Date	Pages	Title	Current ORG	Current XRef	Retrieval C	Inventor	S	C	P	E
32	<input checked="" type="checkbox"/> US 6657001 B1	20031202		Coating compositions having improved scratch resistance,	524/588	525/100; 525/102;		Anderson; Lawrence G. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33	<input checked="" type="checkbox"/> US 6649107 B2	20031118		Decorative components having an elastomeric outer surface	264/241	428/319.9; 428/423.1;		Harrison; Richard P. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34	<input checked="" type="checkbox"/> US 6635341 B1	20031021		Coating compositions comprising silyl blocked	428/323	428/327; 428/403;		Baranycyk; Steven V. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35	<input checked="" type="checkbox"/> US 6616549 B2	20030909		Multi-layer high spin golf ball	473/373	473/365; 473/370;		Dalton; Jeffrey L. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36	<input checked="" type="checkbox"/> US 6593417 B1	20030715		Coating compositions having improved scratch resistance,	524/588	525/100; 525/102;		Anderson; Lawrence G. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37	<input checked="" type="checkbox"/> US 6432543 B1	20020813		Decorative components having an elastomeric outer surface	428/423.1	525/440; 525/443;		Harrison; Richard P. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
38	<input checked="" type="checkbox"/> US 6387519 B1	20020514		Cured coatings having improved scratch resistance,	428/447	428/323; 428/331;		Anderson; Lawrence G. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39	<input checked="" type="checkbox"/> US 6352658 B1	20020305		Method for producing decorative components having	264/46.4	264/255; 264/309;		Chang; L. Patrick et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40	<input checked="" type="checkbox"/> US 6187859 B1	20010213		Light stable aliphatic thermoplastic urethane	524/590	524/589; 524/86;		Humphrey; William M. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41	<input type="checkbox"/> US 5824738 A	19981020	9	Light stable aliphatic thermoplastic urethane	524/715	524/589; 524/839;		Humphrey; William M. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
42	<input checked="" type="checkbox"/> WO 2006003092	20060112	68	Composition useful for stabilizing polyether				MAEDER, D et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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